Sir. A total wind power capacity of 1702 MW has already been installed in the country mainly through commercial projects from private investments.

(b) and (c) Six demonstration wind farm projects aggregating to 9.7 MW capacity have been set up with Government assistance during the last three years. On an average, 1.5 million units to 2.5 million units of electricity per MW are generated annually from such wind farm projects, depending upon the site.

(d) Yes, Sir. Wind power capacity addition of 1500 MW is envisaged during the 10th Plan period.

(e) 201 potential sites have been identified in 13 States/Union Territories which could be considered suitable for installation of wind farm projects.

Subsidy for the establishment of power plants

1481. SHRI S.M. LAL JAN BASHA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether it is a fact that Government gives subsidy for the establishment of power plants in this sector;

(b) if so, the details thereof;

(c) the funds released for such a subsidy in 2002-03;

(d) whether it is a fact that there is usually a delay in release of such a subsidy; and

(e) if so, reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) and (b) The Ministry of Non-conventional Energy Sources is providing financial support for the installation of power plants based on various non-conventional energy sources such as Solar, Wind, Biomass and Small Hydro. In addition, fiscal incentives, viz. depreciation, relief from taxes and duties and soft terms loans to private entrepreneurs for the establishment of power plant are also provided. The details of financial suport provided by Government, Sector wise are given in Statement enclosed. (*See* below)

(c) A sum of Rs. 21.20 crores has been released as financial support

for the establishment of power plants from various non-conventional energy sources during 2002-03 as on 31.1.2003.

(d) and (e) No, Sir. The Financial support is provided on fulfillment of terms and conditions of the scheme.

Statement

Sectorwise details of financial support provided

S. No.	Name of Programme	Details of subsidies
1.	Biomass Gasifier	60% for general States
		90% for North East Region and Sikkim and Special Category States.
2.	Small Hydro Programme Capital subsidy Upto 500 KW	90% cost upto Rs. 0.75 lakh per KW for NE States
		Equipment cost +50% of civil cost upto Rs. 45,000 per KW for middle Himalaya, ladakh and A&N and Rs. 30,000/KW for other areas (only notified hilly regions)
	Above 500 KW to 1 MW	90% cost upto Rs. 0.60 lakh per KW for NE States
		Equipment cost +50% of civil cost upto Rs. 45,000 per KW for middle Himalaya, Ladakh and A&N and Rs. 30,000 per KW for other areas (only notified hilly regions)
	Above 1 MW to 5 MW	75% cost upto Rs. 4.50 crores per MW for NE States
		Equipment cost +25% of civil cost upto Rs. 3 crores per KW for middle Himalaya, Ladakh and A&N and Rs. 1.50 crores per KW for other areas (only notified hilly regions)

Above 5 MW to 15 MW	Equipment cost +25% of civil cost upto Rs. 22.50 crores per project for NE States	
	Equipment cost +25% of civil cost upto Rs. 15 crores per project for middle Himalaya, Ladakh and A&N and Rs. 7.5 crores per MW for other areas (only notified hilly regions)	
Interest subsidy	2% to 7.5% (Floor rate applicable = 7.5%)	
3. Wind Power		
i) Land based demonstration project	Upto 60% of equipment cost. Full cost of the equipment subject to benchmark of Rs. 70 lakh per KW.	
ii) Wind Diesel Hybrid Projects	In addition, 90% for laying new or existing lines for electrification in remote and difficult areas.	
4. SPV Power (grid connected)	Maximum upto Rs. 2 crores/100 KWp	
5 Biomass Power/Cogeneration		
Interest subsidy		
a. Bagasse Congeneration		
Projects by Cooperative/ Public Joint Sector Sugar Mills 60 bar and above (40 to 80 bars and above)	3%-5%(Floor rate applicate = 8%)	
Projects in IPP mode in cooperative/public sector sugar mills (60 to 80 bar and above)	2%-3%	(Floor rate applicable = 8%)
Projects by private sugar mills (60 to 80 bar above)	2%-3%	(Floor rate applicable = 10%)
b. Biomass Cogeneration		
Commercial projects (60 to 80 bar and above)	2%-3%	(Floor rate applicable = 8%)

	c. Biomass Power	
	For NE States	Additional interest subsidy @ 2%. (Floor rate applicable = 8%)
	Commercial projects (60 to 80 bars and above)	2%-3% (Interest Subsidy) (Floor rate applicable = 10%)
	MW-scale projects with 100% producer gas engines	Capital subsidy of Rs. 1 crore per MW
	Advanced Biomass Gasification	Capital subsidy of Rs. 1 crore per MW
6.	Power from urban & Industrial wastes	
	Capital subsidy	Upto 50% of capital cost, subject to maximum of Rs. 3 crores per MW for innovative demonstration projects
	Interest subsidy	Interest subsidy for reducing the rate of interest to 7.5% subject to Rs. 0.50 crores to Rs. 2.00 crores to Rs. 2.00 crores per MW depending upon type of projects and category of waste for commercial projects (Floor rate applicable = 7.5%)

MW = Megawatt. KWp = Kilo Watt eak KW = Kilo Watt. PV = Photo Voltaic

Mini power plant based on rice husk ash technology

1482. SHRIMATI AMBIKA SONI:
DR. T. SUBBARAMI REDDY:

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether according to Institute for Solid Waste Research and Ecological Balance, mini power plants based on rice husk ash technology can fulfil the electricity needs of rural areas and can be a boon to farmers and millers besides ensuring sustainable development as outlined in Kyoto protocol;

(b) if so, whether apart from the utilization of the husk as a fuel, the use of RHA as a cement substitute by tapping its super pozzolanic behaviour;